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PATENT
Docket No. 251002009300

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Assistant Commissioner for Patents, Washington, D.C. 20231, on June 19, 2002.


Jose Luna

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Emi NUNOKAWA, et al.

Serial No.: 09/989,974

Filing Date: November 20, 2001

For: METHODS FOR PRODUCING
PROTEINS BY USING CELL-FREE
PROTEIN SYNTHESIS SYSTEMS

Examiner: To be assigned

Group Art Unit: 1653

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INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

*----- [OPTIONAL ¶ - IDS using Certification based on a Search Report]

This Information Disclosure Statement is submitted:

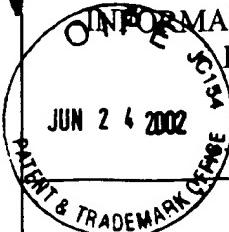
- With the application; accordingly, no fee or separate requirements are required.
- Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - A fee is required. A check in the amount of * is enclosed.
 - A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee is believed to be due.
- After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of * is enclosed.
 - A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 251002009300

Application Number 09/989,974

Applicant

Emi NUNOKAWA, et al.

Filing Date November 20, 2001

Group Art Unit 1653

Mailing Date June 19, 2002

U.S. PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date | Document No. | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|----------|------|--------------|------|-------|----------|----------------------------|
| | | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date | Document No. | Country | Class | Subclass | Translation YES NO |
|-------------------|----------|---------|---------------|---------|-------|----------|--------------------|
| | 1. | 07/1992 | A-4-200390 | Japan | | | |
| | 2. | 06/2000 | A-2000-175695 | Japan | | | |

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

| Examiner Initials | Ref. No. | Title |
|-------------------|----------|---|
| | 3. | Hendrickson. "Determination of Macromolecular Structures from Anomalous Diffraction of Synchrotron Radiation" Science 254:51-58 (1991) |
| | 4. | Kigawa et al. "Structure Determination of Protein Folds Using the Cell-free Synthesis and NMR Spectroscopy" Experimental Medicine 18(18):60-64 (2000) |
| | 5. | Spirin et al. "A Continuous Cell-Free Translation System Capable of Producing Polypeptides in High Yield" Science 242:1162-1164 (1988) |

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5

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|----------------------|-------------------|
| Application Number | 09/889,974 |
| Filing Date | November 20, 2001 |
| First Named Inventor | Emi NUNOKAWA |
| Group Art Unit | 1653 |
| Examiner Name | To be assigned |

Attorney Docket No. 251002009300

ENCLOSURES (check all that apply)

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SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

| | |
|-------------------------------|--|
| Firm or Individual Name | Kate H. Murashige Registration No. 29,959 |
| Signature | |
| Date | June 18, 2002 |

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Jose Luna

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1653

charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing **251002009300**. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: June 18, 2002

Respectfully submitted,

By: Kate H. Murashige
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